

Amendments to the Specification

After the title and before "Field of the Invention" on Page 1 of the Specification please insert the following paragraph as follows:

-- Cross-Reference to Related Applications

The present application is a §371 continuation of International Patent Application No. PCT/AU2004/000702, filed on May 26, 2004, which, in turn, claims the benefit of U.S. Patent Application No. 10/445,463, filed May 27, 2003, currently pending, under 35 U.S.C. § 120.--

Please amend the paragraph at page 4, lines 29 to page 5, line 4 of the specification as follows:

The invention provides, in accordance with a first aspect, a method for suppressing oscillation in a signal identified as or suspected of containing an oscillation, the method comprising the following steps:

- converting the signal into frequency bands in the frequency domain;
- applying, for a selected period of time, a randomly changing phase to the signal in at least one of said frequency bands; and
- reconverting the converted signal into an output waveform signal.

Please amend the paragraph at page 5, lines 11-15 of the specification as follows:

The oscillation detection technique may comprise calculating, for each frequency band, the change in signal phase and/or signal amplitude from a time window to a subsequent time window, and comparing, for some or all of said frequency bands, the results of the calculation step to defined criteria to provide a measure of whether oscillation due to feedback is present in the signal.

Please amend the paragraph at page 5, lines 20-24 of the specification as follows:

In a preferred form, the method includes the step of, for a particular frequency band, generating a complex number with random or pseudo-random phase and amplitude 1.0 for each successive time window, and applying this complex number to the signal in that frequency band. A real gain value for said frequency band may be multiplied by said complex number before the gain is applied to the signal.

Please amend the paragraph at page 5, lines 25-27 of the specification as follows:

In an alternative form, the method may include ~~the step of~~, for a particular frequency band and in each successive time window, replacing the signal or signal gain with a signal or signal gain having equal amplitude and a random or pseudo-random phase.

Please amend the paragraph at page 6, lines 9-15 of the specification as follows:

The means for detecting oscillation may comprise means for calculating, for each frequency band, the change in signal phase and/or signal amplitude from a time window to the next, and means for comparing, for some or all of said frequency bands, the results of the calculation ~~step~~ to defined criteria to provide a measure of whether oscillation due to feedback is present in the signal. Alternatively, the means for oscillation detection may comprise phase locked loop circuitry, or means for detection of a large sustained amplitude in a particular frequency band.